

--1 (twice amended). An AC-DC converter comprising [of]:

a) a low impedance AC source providing an alternation of a positive voltage, a negative voltage and a dead time;

[b) an inductive element connected in series with said AC source;]

[c] b) a bridge having a first, a second, a third, and a fourth rectifier, said bridge having a first input terminal, a second input terminal, a first output terminal, and a second output terminal, said first input terminal communicating with said inductive element; wherein,

the first rectifier is connected between the first input terminal and the first output terminal, a cathode of the first rectifier being connected to said first output terminal,

the second rectifier is connected between the second input terminal and the first output terminal, a cathode of the second rectifier being connected to the first output terminal;

the third rectifier is connected between the second input terminal and the second output terminal, a cathode of the third rectifier being connected to the second input terminal,

the fourth rectifier is connected between the first input terminal and the second output terminal, a cathode of the fourth rectifier being connected to the first input terminal,

wherein said AC voltage source is connected to said inductive element and the first

Sub circuit
[second] input terminal;

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[d] c) . a capacitor connected between [the] said first output terminal and [the] said second output terminal; and

[e] d) an inductor connected between said AC voltage source and said first input terminal [a load connected between the first output terminal and the second output terminal; and, wherein, the voltage source modulates the energy transfer through said inductor element and said first, second, third and fourth rectifiers and said load by changing the ratio between the duration of said positive and negative alternation and the repetition period of the signal provided by said voltage source].--

REMARKS

This is in response to the Office Action mailed July 11, 2000. Accompanying the Amendment is a Power of Attorney and a request to change the correspondence address of record. As the Examiner has recognized, there was a misunderstanding between the Examiner and the prior attorney of record regarding the identification of the inductor in Tan et al., U.S. Patent No. 5,838,558 ("Tan") that was referred to by the Examiner in making the rejections. It is also apparent that there is an error in amended claim 1 regarding the location of the claimed inductor with respect to the claimed bridge rectifier.